

In the Claims:

Please amend the claims as follows:

--1-16(Canceled).

17(Currently amended). A fluid cassette to receive fluid from an intravenous fluid line and facilitate heating of said fluid to a desired fluid temperature in a range of 60° F - 160° F within an intravenous fluid warming device, said cassette comprising:

fluid line tubing including an inlet tubing portion with an inlet terminal to receive fluid into said cassette from said intravenous fluid line and an outlet tubing portion with an outlet terminal to release fluid from said cassette to said intravenous line, said inlet and outlet terminals ~~being configured~~ each including a connector for connection to portions of said intravenous fluid line;

wherein said fluid line tubing further includes a spiral portion including a plurality of nested tubing sections in fluid communication with said inlet and outlet tubing portions and arranged adjacent each other to directly transfer heat between said adjacent tubing sections to heat said fluid from said intravenous fluid line, each said tubing section defining a path for said fluid from said intravenous fluid line to flow in a particular direction, and wherein said fluid flow direction within each tubing section is opposite the fluid flow direction within each tubing section adjacent that section;

wherein the quantity of said tubing sections within said spiral portion is based on providing a residence time for said fluid within said fluid line tubing enabling said intravenous

18 fluid warming device to heat said fluid to said desired temperature within said range of 60° F -
19 160° F.

1 18(Currently amended). The fluid cassette of claim 17, wherein ~~said tubing and said~~
2 tubing sections are concentric and define a fluid cassette annular section, and said inlet and said
3 outlet tubing portions extend tangentially from said annular section.

1 19(Original). The fluid cassette of claim 18, wherein said annular section includes an
2 intermediate section to direct fluid flow received from said inlet terminal in a reverse direction
3 through said annular section tubing sections toward said outlet terminal.

1 20(Currently amended). The fluid cassette of claim 17 further including a
2 conductive contact disposed about a portion of said fluid line tubing and detectable by said
3 intravenous fluid warming device to indicate the presence of said cassette within that warming
4 device and control device operation.

1 21(Original). The fluid cassette of claim 17 further including a fitting in fluid
2 communication with said fluid line tubing to permit fluid to flow within said fitting, wherein said
3 fitting receives a temperature sensor to measure temperature of said fluid flowing within said
4 fluid cassette.

1 22(Original). The fluid cassette of claim 21, wherein said fitting includes a thermally
2 conductive member disposed within said fitting and in direct contact with fluid flowing through

3 said fitting, wherein said thermally conductive member receives said temperature sensor to
4 measure temperature of said fluid flowing within said fluid cassette.

1 23(Original). The fluid cassette of claim 17 further including at least one engagement
2 member to facilitate manipulation, insertion and removal of said fluid cassette within said
3 warming device.

1 24-50(Canceled).

1 51(Currently amended). A fluid cassette to receive fluid from an intravenous fluid
2 line and facilitate heating of said fluid to a desired fluid temperature in a range of 60° F - 160° F
3 within an intravenous fluid warming device, said cassette comprising:

4 fluid flow means including an inlet portion with an inlet terminal to receive fluid into said
5 cassette from said intravenous fluid line and an outlet portion with an outlet terminal to release
6 fluid from said cassette to said intravenous line, said inlet and outlet portions ~~being configured~~
7 each including a connector for connection to portions of said intravenous fluid line;

8 wherein said fluid flow means further includes a plurality of concentric sections in fluid
9 communication with said inlet and outlet portions and arranged adjacent each other to directly
10 transfer heat between said adjacent ~~tubing~~ sections to heat said fluid from said intravenous fluid
11 line, each said concentric section defines a path for said fluid from said intravenous fluid line to
12 flow in a particular direction, and wherein said fluid flow direction within each concentric
13 section is opposite the fluid flow direction within each concentric section adjacent that section;

14 wherein the quantity of said sections is based on providing a residence time for said fluid
15 within said fluid flow means enabling said intravenous fluid warming device to heat said fluid to
16 said desired temperature within said range of 60° F - 160° F.

1 52(Original). The fluid cassette of claim 51, wherein said concentric sections define a
2 fluid cassette annular section, and said inlet and said outlet portions extend tangentially from said
3 annular section.

1 53(Original). The fluid cassette of claim 52, wherein said annular section includes an
2 intermediate section to direct fluid flow received from said inlet terminal in a reverse direction
3 through said annular section toward said outlet terminal.

1 54(Currently amended). The fluid cassette of claim 51 further including a
2 conductive contact disposed about a portion of said fluid flow means and detectable by said
3 intravenous fluid warming device to indicate the presence of said cassette within that warming
4 device and control device operation.

1 55(Original). The fluid cassette of claim 51 further including a fitting in fluid
2 communication with said fluid flow means to permit fluid to flow within said fitting, wherein
3 said fitting receives a temperature sensor to measure temperature of said fluid flowing within
4 said fluid cassette.

56(Original). The fluid cassette of claim 51 further including at least one engagement means for facilitating manipulation, insertion and removal of said fluid cassette within said warming device.

57(Currently amended). A fluid cassette to receive fluid from an intravenous fluid line and facilitate heating of said fluid to a desired fluid temperature in a range of 60° F - 160° F within an intravenous fluid warming device, said cassette comprising:

a fluid conduit including an inlet portion with an inlet terminal to receive fluid into said cassette from said intravenous fluid line and an outlet portion with an outlet terminal to release fluid from said cassette to said intravenous line, said inlet and outlet portions ~~being configured~~ each including a connector for connection to portions of said intravenous fluid line;

wherein said fluid conduit further includes a plurality of concentric sections in fluid communication with said inlet and outlet portions and arranged adjacent each other to directly transfer heat between said adjacent ~~tubing~~ sections to heat said fluid from said intravenous fluid line, each said concentric section defines a path for said fluid from said intravenous fluid line to flow in a particular direction, and wherein said fluid flow direction within each concentric section is opposite the fluid flow direction within each concentric section adjacent that section;

wherein the quantity of said sections is based on providing a residence time for said fluid within said fluid conduit enabling said intravenous fluid warming device to heat said fluid to said desired temperature within said range of 60° F - 160° F.

1 58(Original). The fluid cassette of claim 57, wherein said concentric sections define a
2 fluid cassette annular section, and said inlet and said outlet portions extend tangentially from said
3 annular section.

1 59(Original). The fluid cassette of claim 58, wherein said annular section includes an
2 intermediate section to direct fluid flow received from said inlet terminal in a reverse direction
3 through said annular section toward said outlet terminal.

1 60(Currently amended). The fluid cassette of claim 57 further including a
2 conductive contact disposed about a portion of said fluid conduit and detectable by said
3 intravenous fluid warming device to indicate the presence of said cassette within that warming
4 device and control device operation.

1 61(Original). The fluid cassette of claim 57 further including a fitting in fluid
2 communication with said fluid conduit to permit fluid to flow within said fitting, wherein said
3 fitting receives a temperature sensor to measure temperature of said fluid flowing within said
4 fluid cassette.

1 62(Original). The fluid cassette of claim 57 further including at least one engagement
2 member to facilitate manipulation, insertion and removal of said fluid cassette within said
3 warming device.--